ABSTRACT

Method and System for Implementing Process-based Web Applications

This invention relates to the structure and design of a method and a system for designing and implementing Web and similar applications in an automated, computerized way, in particular without any computer programming. In principle, this is achieved by literally drawing a process model expressing what the desired Web application should do, then preferably simulating and/or testing the desired application, and finally automatically enabling the application by using the process model as the controlling engine of the designed application. The latter is done by uploading the designed process model to a server or computer network thus implementing it as run-time application. No other workflow system or similar additional software nor any special hardware is required.

The invention provides such process-based Web applications by building on an already existing process modeling and optimization tool, which is now extended to not only create a process model of the application, but also to turn this process model into the controlling part of the application and thus becoming the run-time application itself. It can be readily adapted to given requirements without requiring any programming knowledge, since the behavior of the application is given by the, preferably graphical, process model and all communications between users and application may be defined by integrated assistants or wizards and/or using common HTML or XML tools.